

IN THE CLAIMS

1. (Currently amended) A casing shoe for downhole use, comprising:

a body having at least one internal recess having an integral bottom surface and a passage therethrough;

a compliant cover mounted over said recess and extending into said passage to define an annular space therebetween and to protect said recess from debris accumulation resulting from cementing said body downhole;

said compliant cover flexing to accommodate changing hydrostatic pressure as said body is run downhole;

said cover removable subsequent to cementing of said body to expose said bottom surface of said recess.

2. (Previously amended) The shoe of claim 1, wherein:

said cover is sealed to said body to enclose said annular space adjacent said recess.

3. (Original) The shoe of claim 2, wherein:

said annular space contains an incompressible material.

4. (Original) The shoe of claim 3, wherein:

said incompressible material is loosely packed.

5. (Currently amended)

A casing shoe for downhole use, comprising:

a body having at least one internal recess having an integral bottom surface and a passage therethrough;

a cover mounted over said recess and extending into said passage to protect said recess from debris accumulation resulting from cementing said body downhole;

said cover removable subsequent to cementing of said body to expose said bottom surface of said recess;

said cover is sealed to said body to define an enclosed annular space adjacent said recess;

said annular space contains an incompressible material;

said incompressible material is loosely packed;

said cover is allowed to flex responsive to changing pressure conditions as said body is introduced downhole as a result of shifting of said incompressible material.

6. (Currently amended) ~~The shoe of claim 5, wherein:~~

A casing shoe for downhole use, comprising:
a body having at least one internal recess and a passage therethrough;
a cover mounted over said recess to protect said recess from debris accumulation
resulting from cementing said body downhole;

said cover removable subsequent to cementing of said body to expose said recess;
said cover is sealed to said body to define an enclosed annular space adjacent said
recess;

said annular space contains an incompressible material;
said incompressible material is loosely packed;
said cover is allowed to flex responsive to changing pressure conditions as said body is
introduced downhole as a result of shifting of said incompressible material;

said cover is removed by drilling through said shoe which allows said loosely packed incompressible material to be removed from adjacent said recess.

7. (Original) The shoe of claim 1, further comprising:

a tubular inserted through said shoe after removal of said cover for attachment to said recess.

8. (Original) The shoe of claim 7, wherein:

said tubular is attached to said recess by expansion.

9. (Original) The shoe of claim 8, wherein:

said body has a drift diameter outside of said recess and said tubular, after expansion into said recess, has a drift diameter at least as large as said drift diameter in said shoe outside of said recess.

10. (Previously amended)

A casing shoe for downhole use, comprising:
a body having at least one internal recess and a passage therethrough;
a cover mounted over said recess to protect said recess from debris accumulation resulting from cementing said body downhole;

said cover removable subsequent to cementing of said body to expose said recess;

a tubular inserted through said shoe after removal of said cover for attachment to said recess;

said tubular is attached to said recess by expansion;

a run in shoe at a lower end of said tubular that is released from said tubular by said expansion for retrieval through said body.

11. (Currently amended) A well completion method, comprising:

running in a tubular housing having a shoe at its lower end;

providing a compliant sleeve to cover a recess having a bottom surface integral to said housing in said shoe;

extending said sleeve into said passage;

defining an annular space between said sleeve and said tubular;

allowing said compliant sleeve to flex to accommodate changing hydrostatic pressure during said running in;

cementing the tubular downhole;

removing the sleeve after said cementing to expose said bottom surface of said recess.

12. (Previously amended) The method of claim 11, comprising:

sealing said annular space around said recess with said sleeve.

13. (Currently amended)

A well completion method, comprising:

running in a tubular housing having a shoe at its lower end said shoe having a passage;

providing a sleeve to cover a recess having a bottom surface integral to said housing in said shoe;

extending said sleeve into said passage;

creating a sealed annular space around said recess with said sleeve;

allowing said sleeve to flex in response to changing differential pressures across it as the shoe is lowered in the wellbore;

cementing the tubular downhole;

removing the sleeve after said cementing to expose said bottom surface of said recess;

~~creating a sealed annular space around said recess with said sleeve;~~
~~allowing said sleeve to flex in response to changing differential pressures across it~~
as the shoe is lowered in the wellbore.

14. (Currently amended)

A well completion method, comprising:
running in a tubular having a shoe at its lower end;
providing a sleeve to cover a recess in said shoe;
creating a sealed annular space around said recess with said sleeve;
providing an incompressible material in said annular space;
cementing the tubular downhole;
removing the sleeve after said cementing to expose said recess;
~~creating a sealed annular space around said recess with said sleeve;~~
~~providing an incompressible material in said annular space.~~

15. (Original) The method of claim 14, comprising:

loosely packing said incompressible material.

16. (Original) The method of claim 15, comprising:

drilling out said sleeve after said cementing; and
removing said incompressible material with the drill cuttings.

17. (Original) The method of claim 11, comprising:

inserting a tubular string after removal of said sleeve;
expanding said tubular string into said recess for support.

18. (Original) The method of claim 17, comprising:

providing a drift diameter for said tubular string after said expansion at least as large as the drift diameter of said shoe outside of said recess.

19. (Original) The method of claim 17, comprising:

connecting a run in shoe to the lower end of said tubular string for run in;
releasing said run in shoe from said tubular string by said expanding; and
retrieving said run in shoe to the surface.

20. (Previously amended)

A well completion method, comprising:
running in a tubular having a shoe at its lower end

providing a sleeve to cover a recess in said shoe;
cementing the tubular downhole;
removing the sleeve after said cementing to expose said recess;
inserting a tubular string after removal of said sleeve;
expanding said tubular string into said recess for support;
connecting a run in shoe to the lower end of said tubular string for run in;
releasing said run in shoe from said tubular string by said expanding; and
retrieving said run in shoe to the surface;
delivering said tubular string on a run in string further comprising a swage, a
releasable anchor and a retrieving tool;
releasing said tubular string and said run in shoe from said run in string by driving
said swage while it is selectively supported by said anchor;
capturing said run in shoe for return to the surface with said anchor and said
swage as said run in string is removed.